andorn	ans	4	07t. Dauption.
	- 2	Jan	continues -
Mr. of R. Mangatais tra			
mangasistra	12		
ampasimeloKa			
ambolipens H.	4		
Day's Journey		29	
Total	6	237	8th Day amboliepans & ambahy
Savana	4	1	
ometin of Rivers analaka o Matibanane.		go Er Er	
R. Mainty joins R. Matitanas		A CONTRACTOR OF THE CONTRACTOR	
Mahamanina. 74.	6		
M. y R. Andákana	1/2		
M. of R. anavotra	1/2		The state of the s
Ranámbo	3 1/2	P. Ca	
M. of R. Saloly	2	·	
R. mahitsy			
AnósiKely	10=		
Confluence o months of Rinss		. Virginia de la Company de la	
manamet on, manampotra		a and the state of	
manambato	9		
Farafángana	1/2	3 ( 2 3 3	
ambahy	1/2		
Day's journey	7	35-	
Total	transfer or the in-	272	9th day ambaby to Vainaindrans
Mahajasy			
mahavien			
M. of R. Miánasimba	8	*	
ankarana 7t.	į		
M. of R. Jakoandry	8		
Jangongs	12		
manan ivo	5-		
Benanovémana	5-	1	The cuctom house & Post of Vangaindran
Vangandrano 71.		275	Vangaindrano 7t. up The R. 7 miles i west of Bina-orimana, 300 miles S.
Day's Journey	_ 2	99%	de 1 1 sin - overnana, 300 miles S.
Total	- 1		J'Andersrants.

Anderorants to	71. De	auphin. in Frans & Somisika	Andermand	5 0 H. Dauphin
10 - Day	Vanga	in drano a some cha	142	day, Sh. Lucia & H. Dauphin.
R. mánanára	1		Prak of Thapéribé	
			1 10 1 (	10
Betafo Village	10		LoKára	
M. g. R. Masianaka	2		marofojo Pt.	
M. g. R. marom bondro	10	4	Itapérina	
	18		Ivatra	3
SomisiKa Day's Journey	41		M. of R. Lengorano	
			Fitoraka	
Total Elevent	h day	SomiseKa & Yanambé	Limpomány	25 4 40 40
ambala jandrans	5-		Limpo manny lagora	
M. of R. Ringitra	4		St. Louis Hill	
A 111/	7		Lake Masianaka	
M. g. R. Javibola			Taolanara or 71. Dauphin	4
Janambé or Pavibola	2.5-		Day's Soumey	17
Day's downey	365	- Yurel day Tamambe & Samby	Total	4-30
L'oral	15-	Twelk day Tanambe to Samby		
Vohivarikia	3-		Mahanoro	d Harranarivo_ (Grandidien)_
ambatobe		-	Mahanoro	
Manantina Reservices 1/1/1	<b>5</b> -		Bétsixaraína	5-
R. Samby & Village	75-		0 1 ( ( / (	8
Day's downey	200	land & St. Jucia		8 14
Total	340	13th day Samby to St. Lucia		
R. Lovo Kantsantsa			ambohitsára	12 26
manambots	3			
Jongotra Pt.				8 30
Lohavato	4		1.1.1	
manonto Hill				6 14
Confluence & Moully of rivers				10 On the R. Mangóro
maimbava & manamboarivo	3		Ankasilanany	8-18
N. pt. of Ste Lucia bay	4		Beparasy	/3
manafiafy	1_		ambo dinivongo 1	10 10
Day's downey	23		Soatsi manampio vana 1	2 Lieu charmant qui ne changera jamais
Potal	4-13		ambatomanga	6 _ The place formed by the lake Mr. 18 Law & for Ranavalona I
			antananarios	16 Lan E por Kanavalna I
			From Mahanero Total	158
	5.			
!				

Andananar	ivo	8	Mahavero - Sukes + Lerd.
Antananarivo	ì	1	. Conces & person.
Antanámaláza	12		19th Aula Rolling montande Let
	f.		19 July - Rolling morrlands - Lofty heights orrholing anklay value, names
Halt (20th July -	1 8		pott Mungh dense underword.
Crist of ankajona Hill		}	
(Valley of Loho saha)			
Ankadi brvava	10		21 th July.
Half 22- July.		30	
Sambatanana storam			
ambatosbratra Hill	5-		a mass of deep glans, vavines dein-
(Hody a angavo mts.).			nous valleys.
Bejoaraey.	15	5-0	230 terps dirty town with a laye char 24th Course S.E. over undulating
R. ankadimos	1 - 1		24 Course S.E. vor andulating
R. Mangoro	f		grund. Manakana 16 houses -
ManaKana			Path along banks of river -
dunctin JR. IDaka w.		earth state ( amphibility product)	
Mangoro		ra-Ve	
namur Pass.			
R. Mangero Napids		}	
andakana	ŧ		<i>A</i>
Cress R. Mangers	13		25 - Safara R. flows D'in a course
torest	ļ :		11 to the mangoro, wh. it joins to the
R. Safara tributary of May.	ero.	1	East of the great brand.
Waterfall 200 feet.		the contract the state of	
Imahatsara		the same of the sa	M 41
Forest country	15-	A de la constant de l	26 herugh dense words.
maro maitso	12		27"
maromaits o [?]	10	The manufacture of tender	28th Maromaitso contains 40 houses,
antananambina	10	uring path granded. — and, geogletisch	
ampasimasinika			
ambalavats Halt	14-	A CONTRACTOR OF THE PARTY OF TH	29". Yms of travellers tress along a nammer valley.
Tratranaigitra	ending drawn) — an appropries		
Tearafanina hill	6	and the state of t	30 m
Village (unnamed). Mangoro banko		-	
andredisciona	10		
Village at foot of rapids By water W Belsizaranea Hova tt. Mahanoro	10		Total 15-8-
	-11		

7 ianaras	tso	sa.	& Masindrano.
Fianamutson alakamis y	17	NE	Mer grasey hills & Souns, coms Matsitra, canoco, but fordable in
		o distance in the content of the con	matsitra, canoro, out proteste in
Iváto tálana	13	7	over grossy plain with shrub.
Ranoma fana	14	E	Our grassy plains, coss heatwaters
		The state of the s	of Inamorona, dense forst;
			steep descent.
Ambao empotsy	A	8 3	Hungh worded valley o, comsing
			many etreams.
Imaroan	7/4	N.	Worked valleyo.
I Vats vary	18	1	luille on left: leave terret for open come
antanámbao	14	5	hills om left; leave forest for open comz. Grassy plains.
Itriato si Ka		2 1	Gracy plains with patches y word;
			Brier Canoes.
Masindrans	10	1 6	Conves.
11	157	8	y.
11	A Control of the Cont	8	y.
11	A Control of the Cont	8	y.
11	A Control of the Cont	8	
Masin drano to ambatavita Imáro hita	Cran ika 9 8	S. S.	Himph scrub & forest; cross lathin, over open country a little from sea.  Como lathe in canoes on leaving ambato vo taka.
11	Cran ika 9 8	S. S.	Frances of forest; cross lathin, over open country a little from see ambato vo take in canoco en laving.  Ambato vo taka -  Grassy peains with forests westy
Masin drano to ambatavita Imáro hita	Cran ika 9 8	S. S.	Himph scrub & forest; cross lathin, over open country a little from sea.  Como lathe in canoes on leaving ambato vo taka.
Masin Frans to Ambata vota Imáro hiba  Namórona	Cran ika 9 6	S. S.	Figurals.  Though scout of font; coss lake in over open country a little from sea combato vo taka.  Conso lake in canoco en laving ambato vo taka.  Grassy peains in fonts westy lakes; cross lake near Imaro hita, + R. Inamorona in canoco.
Masin drano to Ambata vota Imáro hiba  Namórona  Ambó baka	Cran ika 9 6	S. S.	Heorgh scout of forest; cross lake in over open country a little from sec- cross, cross lake in canoco en laving. Ambato vo taka.  Grassy plains with fronts westy lakes; cross lake near Imáro hita,  + R. Inamorona in canoco.
Masin drano to ambata vota Imáro hita  Namórona	Cran ika 9 8	S. V. W. S. W.	Through scoul of forest; cross lathing over open country a little from see.  como lathe in canoso on laving ambato vo taka.  Grossy peains in frosts westy lake; cross lathe near Imaro hita, of R. Inamorona in canoes.  Over grossy plains & several dup wee.  Up valley of tarainy; open grossy.  Grossy country, with pat ches;
Masin drano to Ambata vota Imáro hiba  Namórona  Ambó baka Jánambáo Ivó himánitra	Cran Ka. 9 15- 20 15- 8	S. V. V. S. V. S. V. S. V. S. V. S. V. V. S. V. S. V. V. S. V. S. V.	Though scrub of forest; cross lathing over open country a little from sea.  Como lathe in canoes on laving.  Ambato vo taka.  Grossy peains in fronts; westy lakes; cross lathe near Imaro hita,  + R. Inamorona in canoes.  Over grassy plains + several dup west.  Up valley of tarainy; open grassy.  Grossy country, with the patches;  cross . Harainy in canoes.
Masin drano to Ambata vota Imáro hita  Namórona  Ambó baka Jánambáo Jvó himánitra  Iméhamáy	Cran Ka 9 8	S. V. W. S. W.	Through scrub of forest; cross lathing over open country a little from sea.  Como lathe in canoco en laving ambato vo taka.  Grassy plains vir. forests westy lakes; cross lake near Imaro hita, of R. Inamorona in canoco.  Over grassy plains & several duy west.  Up valley of Farainy; open grassy.  Grassy country, with patches;  cross ! Harainy in causes.  Up worded valley of Farainy.
Masin drano to ambata vota Imáro hita  Namórona  Namórona  Ambó baka Jánambáo Ivó himánitra  Imánanitra  Imánanitra  Ambó himánitra  Ambó himánitra	Cran Ka 9 8 15- 20 15- 8	S. V. W. S. W.	Through scrub of forest; cross lathing over open country a little from sea contra a little from sea ambrato vo taka.  Grassy plains with forests westy lakes; cross lake near Imarobita, & R. Inamorona in canoes.  Over grassy plains & several dup west. Up valley of Farainy; open grassy country, with patches; cross. Harainy in causes.  Up worded valley of Farainy - wooded valley of Farainy - wooded valley of Farainy - wooded valley of Farainy -
Masin drano to Ambata vota Imáro hita  Namórona  Ambó baka Jánambáo Ivó himánitra  hamáy Ivóhimánitra	Cran Ka 9 8 15 20 15 8 12 24 10 11 18	S. W. W. S. W.	Through scrub of forest; cross lathing over open country a little from sec.  Como late in canoco en laving ambato vo taka.  Grassy plains wir fronts westy lake; cross lake near Imaro hita, of R. Inamorona in canoco.  Over grassy plains & several dely was courses.  Up valley of Farainy; open grassy country, with the patches; cross ! Harainy in canoco.  Up worded valley of Farainy.

20/20 4-2 3-1 13-2 90 103-2 60. 360 400 60 466 and the same of th

and Fort Dauplin tist day androvet. D'Maintanandry answoranty month og R. Garoka. Janimandry Fort N. Cytomety of Lake Salo S. Extramely of L. Salo N. Exphrm. of L. Vahia S. Explore. of L. Valvia Nava lavo.
N. pt. of Legon S. pt. of channel d Tangozy lagoon 6 h. Exhinity of reach Exphuly ld Vato mand my Vatomanty Fort 6 month of Kins Sakarwo Mainten andry 13 Days Sourney 39 Second Day Maint. D' Mahanoro. month of Russ Sakalina /4 antoin or Villy S. pt. of maintin andry layon Marosiky Mr. of R. Manandry 1/4 Beparacy Confluence of Rivers Osy & Lohariana

ormorko vy M. La. andersvante III. Dauphin. andersvand Fourth day continued Remarks by W. L. A. It took me 4'z less. good walking distance sakalis & nosivaria 3 m. comes. Just byond the R. Sakales Hands Nosivarilla, 20 hours, Confluence of Kurs Ogs from Beparosy to mahanoro, good Mr. of K. Sakales Sasaka + Tantama hast and roof all the way - Distance on a bluff- Servel other Villages in neighbord. nozivarika M. of K. Sasaka Osheren 14 & 15 miles. Passed a village 4 miles tenth of Nosivarika ambosáhana Mahanoro & then another 4 miles purther, The some disantara lambo Dago donrney hance west of the road. Janambas Total Third day Mahanors & ambalovintaka Must of the way from Sak Lio O tempera in Joan an dra Ir work 2/3 turs. a walk along so along the son plain at the inn ampoamanetra Unitor rapara The best of possest along the see 21 mambazato The coast road from the rova at Betsi zaraina tt. tanivilona Maharon (S. of the ferry) to Salay - destance antsivolena is at least 7 miles. It took 2 hr. do minutes good walk ambidi haramay I fasina mile & go pour Nosivarika & andrand andranontsindrano 22 The vood described in this this concrary Salo Solay is abt. I mile across to mangers m. y R. Mangoro anala lo Cona Me Mer villege directly on road until we mached ambaha
talked to be saked of 20 houses N. pt. of Fenarios 22 Ambodi harana S. pt. of ten. lagon 12 Kantana l'assed a small ville 2 tirs, from Halfed at a villege called ambaha. 4/6 hrs. S. pt. of Sahavi chan. ambodiharana, nached andronotsara 2/4 hrs. anhanamles narched from Roboha to Mahambo at the South aide 7 m. Jemy war Lohotra R. Im ampanontoana amboha andranotsara Lohi vohitra chan. M. of R. Lo hotra of tanatara mouth - in his. 42 miles. (M. of R. Fanantara 7= antonjondrano 1/3 hr. 5 m. ampanontaona 40 houses. 10 Crossed the Fanantava vinambe other marchel Ivolitromby ampanon toana on to makela, the path leading along the narrow stry anchohitsara Valon Kianja Volume the legoms of the sea - Time times along the andranomidiroRa Confluence of Rurs sea track itself. Reached Mahela, large village 100 to R. Sakaro, entrance Sahanksio & Mahasora 150 houses in 2 hr. o 40 minutes - about 10 miles -Walked of Masolmelo Ra (without counting time Do Ranganzava lag. M. of R. Mahasora Passed a villege called antanambas, 30 houses 2 crossing Rivers) in 12 urs. making it abt. 6 m mahela Masomeloka miles beyond (South of ) towantara month. went on a ambalavarbaka in 13/4 hrs. making Mandinizara analaila ambalavontaka it abt. 7 miles. ambolavouheka only has 3 Lanandava H. 22 32 \frac{3}{4} inhabited henses & no supplies 1013/4 after sakafo wout an d'Ambinanivola 12 hrs.
1013/4 abt. 6 m. ambinanivola 15 hours. 40 bis not jo on Fanandava the pollus was along sea. Days Journey Days Journey Lotal Lotal 14 fifth day Tanandava Thamorona 4 - dag ambat, D'Janandava Crossel vindenbe of Piver just layand Malich Mr. of R. Rangany S. pt. of Rangagara passed small village je mile bryant Vinambe, anssed trem ambinanivola & Sakaleo work M. of R. Ivolo versambe of River Isfaka 14 hr., 5 m. pom mahela lejoun. 1/2 2½ hrs. abt. 9 miles. Cossel a small ambohimanoro & halld at It fella village 12 houses 1/4 houstoned. m. of R. 9 Efaka 13/4 Nosindravina strian by bridge just regent ambinan sisten - 6 mile par mahila - 1 Sakales ampandenana 3 did not see any and in Sakaléd 30 hous

and war and 4 H. Dauphin. 5th day continued. Receled assilvational is a ter. 8 m pour your ambohinas 5 Tsia to sika 7t. Toiatorike fort does not lie any when over the nowh it is miles away up the new Manayara. S. p. of Jefaka ch 2 me water correct brhum holla otherin-Chan Ceasing of Mananjara. France - nochet ampandana 13 m. Fig hr. Masindrano from Islake. Maindrans /4 to 22 m- person ankatefana is /4 mile from the vinange of R. Mariserjara 1/4 Con ampendence of the mo, or Univoca rais curs here, ending at Longo zo (no village). at Ham Betsizara poj a small vinana occurs (clised at thistime). Antsivalen Jour of 20 huts ambalavontaka is 12 m. bryant the Masina taka vinang. & m. leyend a. occuss Manapana, a Salo Betsimisarake called m. of Sungary Marohita, about 25 hours neat + clean, inhabited by ankitay By lakana ankitay is right. from. Marolita o austrer ambohipatrana village is / ler. further an ambolipatrane is 4 liv. f. Verangerana M. of R. nan ovon ! Namorona hes i m. up River N. The west of mile? namorona days journey 6th day Namorona & Loharano Cons an Ampanalana of 1½ hr. 4½ m., Loholotta 10 hmses. Sotal Masindrans Kely 12 Loho loka andranbomaro M. of R. andotso Vohimasa er ambontaka ho tova garrison but Vato masina Fr. lage villege (antainers) of 150-200 limes. m. of R. Faraony Ambatosoa Hambazaha M. JR. Trampolo Loharano Day's Janney 20 7th day Loharano of ambohipino Total R. mananano monanano M. d. R. Manan Kara Manan Kara

Harmey spring some that a large draw could reachly exchance, which has fishes emolar Whe stendenes show of the before men Fishes of Commanche Leon & Es condida Opings. The Comanche is the largest and is the only one, whose waters near more than a few mules above ground. All this water has the same character-lumpid but Charged with chemical impunities. The greatest anumber tramely one sesonin the Comanche; the two smaller species only occurring in the others. There are very Dimilar in habit as well as form to the progres of the Coast feeding in knows in the mud and the about the rooks of the frafo. Though all these springs have Dome species Common, the (cat fish rolling belong only to the Commander. If these spring were soft alocked with fat from a common some, has the Cather in eving of the the quantity or quality of the endle. The lumpia a very insignificant little brook numig but a few builes above ground has it fishes; and Whe south each of this brook on a vonte Worsedis del Norte co a una Registing the aparaption of having been bringled in a ducks size and - more fan ciful and infenious than philosophial

Spring vone that a large brain could ceaching exchange, which has fisher emident to the alendere spring of the before mentioned springs. This appring has a very limited drainage, has no come chiow whatever any arrays and is dispipated by einthing or enaporation within a grant of a mile of its head. The presence of fishes in such isolated medica is to me wholly unaccountable; if they came brown other under, it much have been before its comme clim was interrupted by the surface of the earth as at present existing

Texas trout. This delicions pan-fish inhabite all the clear water etreams under the great "land estacado". Ina transparent habitation renders an observ: and of the habits an easy & gratifying entertainment; they are seen lying still funder some clock hapon grafo after the manner of a pike, or manner use ally quelty swimming around in small Rehvols at a greater on les depth. They may take grafohoppers, lengs of the like, but minnows, to claw fish rollie truly mainly agreatic animals constitute their food. They afford exquisite sport with angles who the encupated however much keep a supply of line minnows and them The trant takes it - beste rather fently, which it sewallows deliberately and as a rule does not dant off till I feels the line in I mouth or the hook in it somach. It attains to six or eight pounds on weight - pulls heavy on the leve and can seldom be laken in a seine which it mo some touches than I leaps. The the fishes of its kind with large and exposed fills spores it wa rapid desicedin

Buffals fish. to do called be cause of it great size or some fanciful resem = blance bethat amend, and is one of the few feeles that whalit the derty and otherwise unpure maters of the lears and Ris Grande; it also access in the clear water streams, when to supply seems to defend afrom the freshels, during which they undoubtedly comes up, as unne = dialety after, it is seen in greater aboun = dance than at any other tenne. Scholle Achools of twenty or thirty weighing as many pounds were seen lying on the bottoms of the deeper holes of the Ris Aueces apartalen; topoil-real large proportions being greatly magnified by refraction as seen throfthe lempid water, cather the beholder to find such small maters producing dech fishes. It is cometimes left in each numbers, particularly on Den. rine, by the freshet as Defor de food for the my Conjoles. Could never find any bale that it would take -the smaller ones are lasily captured by lancide the or sturning the by the discharge of a puetol. It is coff, leany rotherwise exceptionalle as food.

thefole fiele. La do colle a les comes of it gred only or come for effect recome bline with and and is one of the few forther that what the day and the drown of it also accome in the claim when distance, when it suffly even to. define his free the party who who she they and allowed a comment of an inferior de tet often fin is an in gratin about done et en est any esterniste un delede delived of levely withing we gling as the distance was a light of The testing of the second of t This others and production of the sail lings from the form for magnific hy opening as a see the light to will per et de la sometime de la constante de la co in the state of the state of the state of the state of hay her eich them a chirmaile blisse her

Cappah sanchers of the Miembres. Unlike all others

Opecies of the kind, do not habiterally keep
on the bottom. Athe time there were

Caught the Ris Mimbres was a exception
of proofs, partly filled with an agratic

grafs, above which there two expecies

were seen swimming around in perfect

hasmong. Readily alarmed, shying off

into the grafs, and generally declinging

all cools of enlicing batis. Their indifference

boarenal food an innul thing with a catting

led with conclusion they both when herbines we

reflected to teller the question by an examination of

Fisher of Babacomon Somvila. The of these theams are very aboundant and take but of any kind very rapidly two acrowsly affording excellent sport, which was heightened, in the then straightened contlition of Com. stones, by the anticipation of a saway dish. The sonaita is one of the many streams of Northern merces, that after a sucception of nixings sampings frually decappears alto= fetter as soon as I emerges from the mountains in which it takes its rice. Cen ceining for the suckers, it was found that they mude for the head of mening water or the under governd porter of the Theam, evidently seeking it for protestion if not living there habitually. This the Phis Senda Cruz others the source of Is frakes accounted for, but this only Carries the question of origin but one step buch, for the Ris Lanta Cours duly continues from a few miles ales it head Continues & dominich tell by enaporation I deformination through the sand, not one drop of to water in all human probability ever reaches the Gala, the Colora: do or Enely of California.

man or many